

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 09-149894

(43)Date of publication of application : 10.06.1997

(51)Int.Cl.

A61B 5/14

B60K 28/06

G01N 21/31

G01N 33/49

G06F 3/00

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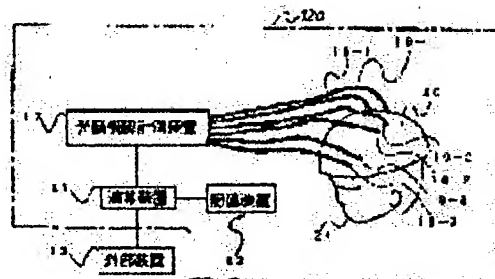
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## (54) LIVING BODY INPUT DEVICE AND LIVING BODY CONTROLLER USING OPTICAL LIVING BODY MEASUREMENT METHOD

## (57)Abstract:

PROBLEM TO BE SOLVED: To control a computer, a game, an environment controller, a learning level judgement device, the alarming device of a vehicle, diagnostic and alarming devices for medical use, a lie detector, an intention display device and an information transmitter, etc., by measuring localized brain functions and performing input to an external device.

SOLUTION: By an optical brain function measurement device 17, the head part transmission light intensity of a testee is measured by using optical fibers 18-1, 18-2 and 18-3 for irradiation and the optical fibers 19-1, 19-2 and 19-3 for convergence. When the head part transmission light intensity of respective measurement areas measured by the optical brain function measurement device 17 is inputted to an arithmetic unit 21, in the arithmetic unit 21, by using the head part transmission light intensity of the respective measurement areas, the absorption coefficient of oxidized and reduced haemoglobin and data for arithmetic operations stored in a storage device 22, optional output signals are decided and inputted to the external device 23. In the external device 23, an operation is performed corresponding to the kind of input signals.



## LEGAL STATUS

[Date of request for examination] 23.08.2001

[Date of sending the examiner's decision]

of rejection]

[Kind of final disposal of application  
other than the examiner's decision of  
rejection or application converted  
registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's  
decision of rejection]

[Date of requesting appeal against  
examiner's decision of rejection]

[Date of extinction of right]

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